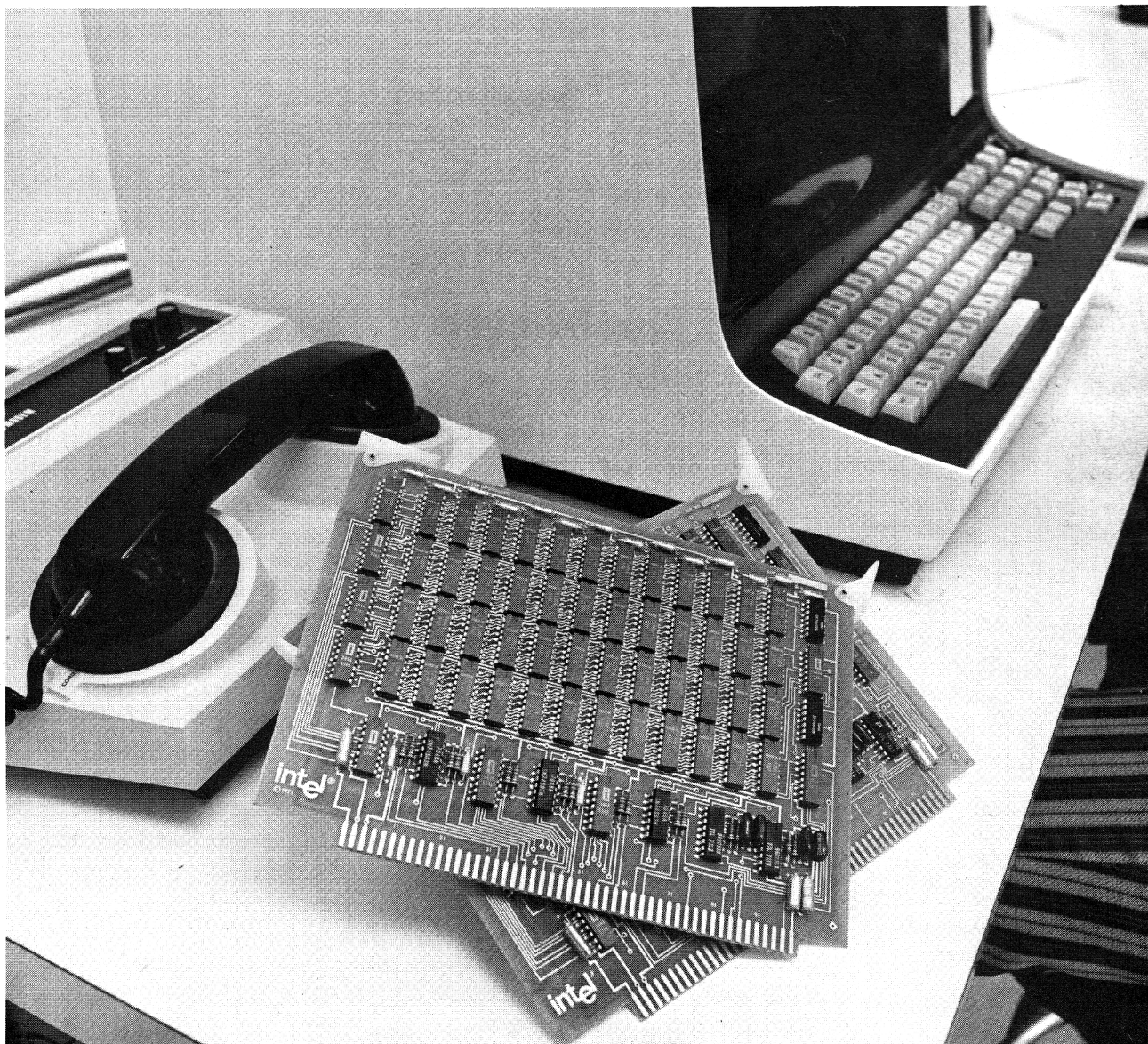


in-20 MEMORY SYSTEM



in-20 SERIES RAM MEMORY FEATURES:

- Low Cost Memory
- High Reliability
- Modular Expandability
- Module Interchangeability
- Fast Cycle Time
- Low Power Requirements
- Compact Size
- Field Expandable

The in-20 RAM Memory System is designed to meet the high reliability and low cost requirements of random access buffer storage applications. The in-20 features a complete memory system on a single P.C. board. This memory system has a basic capacity of 1K x 12 and can be expanded to 4K x 12. It is also available in capacities as small as 256 x 4. The compact size of this system makes it ideal for use as a storage buffer for various computer peripheral applications.

SYSTEM in-20 SPECIFICATIONS
Dimensions:

Memory Board:	8.175 Inches	High
(1K x 12)	6.0 Inches	Deep
	0.5 Inches	Wide

Capacity:

256, 512, 1024 words expandable to 4096 words by the addition of memory cards.

Word Length:

4, 6, 8, 9, 11, 12 bits per card. Longer words can be made by adding additional memory cards.

Cycle Time:

in-20	900 Nanoseconds
in-22	1.5 Microseconds

Access Time:

in-20	900 Nanoseconds
in-22	1.5 Microseconds

Operational Modes:

Read (NDRO)
Write
Read/Modify/Write

Interface Characteristics:

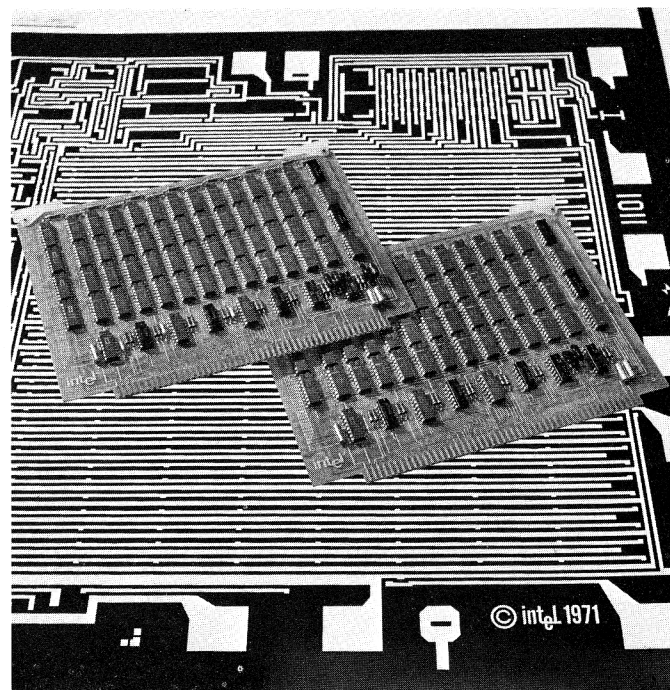
TTL Compatible
Standard Input Lines:
 Cycle Initiate
 Board Select
 Read/Write
Standard Output Lines:
 Data Available
 Memory Busy

Environment:

Temperature: 0°C to +50°C operating ambient
 -40°C to +125°C non-operating

Relative Humidity: Up to 90% with no condensation

Altitude: 0 to 10,000 feet operating
 Up to 50,000 feet non-operating


D.C. Power Requirement:

in-20	+5V, -9V	33 Watts
in-22	+5V, -9V	33 Watts

Features:

Board Select
Address Register
Low Power Standby Operation
Single Board System
One Connector Per System
Two Voltages

Special Options:

Intel also offers the in-20 mounted in a card chassis. This chassis is available in a variety of sizes and can be for future expansion of the memory without changing the basic chassis.